Stud Clip

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This patent is sought under the name of :

Stone Tools
A division of "Lighthouse Electric" Ltd.
Quality Craftsmanship and Value

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Stone Tools is a product of need to provide the craftsman a competitive advantage in a very competitive world and carries on the tradition of Quality craftsmanship and value passed down from Grandpa Adam, a tool and die maker businessman, and Grandpa Alick, a farmer, innovator, and businessman.

Stud Clip

Disclosure: The following invention relates to a clip on tool of different model types, which are specifically designed for the construction industry.

Background of invention: In the construction industry, anytime something is required to be fastened (temporarily or permanently) to a wood or metal stud (or any vertical building member), the trades person is not only required to hold the item to fasten it accurately in place, but also use a hammer or drill as well as nails or screws.

Through the creation of "Stud Clips", we achieve greater work efficiency while at the same time providing a higher level of safety and convenience and reducing the long-term physical wear and tear of the worker.

Ex.#1: When an electrician is mounting wire rolls, he/she has to drive in and bend 3 1/4 -3 1/2" spikes around a pull bar (minimum 4, as many as 8-10 spikes) to securely fasten the roll bar to a wood stud (with as many as 4 40-50lb rolls of wire mounted on the bar). In the case of a steel stud, the difficulties arise through holes in the metal that do not line up or steel studs that remain permanantly twisted after having a role bar forced through them to support them.

Stud Clip "Reel Hooks" (RH01) twist solidly into place in a fraction of the time required to drive in and bend nails and removes the risk of having anail bend out of place when heavy rolls are lifted into place. Also is removed with greater ease therefore reducing the physical wear and tear of the worker.

Ex.#2: In the case of the plumber when installing water lines, their material is provided in large coils in which the plumber unrolls around their work area or lays horizontally on a coil dispersing spool (which takes up working area and doesn't positively hold the coil of waterline in place while the worker pulls against it).

Stud Clip "Coil Rollers" (CR01) first of all is a fraction of the weight of a horizontal spool. They take far less room when stored in the vehicle, provide more work area for not only the water line installer, but other workers in the area and provides a solid anchor from which to pull against thereby not only reducing set up time, installation time, dimantle and storage time, but increases safety through less floor clutter and eliminates the need of a second worker to keep the coil from tangling. As an added bonus, "Coil Rollers" also provide the plumber with a proper height holder for cutting drain pipes thereby reducing lower back wear and tear.

Stud Clip

Disclosure 2

Stud Clip "Work Bench" (WB01) provides a solid, lightweight "Work Bench" to allow the worker a proper area to spread out blueprints, set up power miter saw, assemble material, repair tools or simply set up the radio and the coffee pot.

Stud Clip "Scaffold Bracket" (SB01) In the case of the framing carpenter, Stud Clip provides a fast and reliable method of setting up scaffolds, eliminate the need to drive nails and saves time, wear and tear when taking the scaffold apart.

Stud Clip

specification

Material:

Metal Plate or Aluminum

Size:

Variable pending application

Method of production:

Stud Clips and its various models are produced by:

1. Mapping out required shapes and sizes on a 4'x8' sheet of metal (minimum 1/8" thickness and larger pending strength sizes required) paying particular attention to minimizing waste of material and time.

2. All pieces are cut to shape using a metal sheer pending model to be produced.

3. Shapes are then stamped or drilled as to provide the nessecary definition required but not achieved in step two to make ready for bending.

4. Refined shapes are then bent by way of metal brake to achieve the final shape, which is ready for use other than manufacturers improvements like adding rollers to Coil Roller Model.

5. As described in the Abstract of Disclosure, "Stud Clip" and assiciated models slide horizontally and across on the stud or Vertical Building Member and is then twisted forward to the 45 degree position which holds the tool in place via the side body, two side flaps and two end flaps as well as forward and or rear anchor teeth (pending model).

6. Example provided is Stud Clip Reel Hook.

List of Model numbers

Model RH01-	The lay out the Reel Hook perpendicular to the stud or Vertical Building Member and the layout of the Reel Hook in the clipped-on position.
Model RH02-	Side view showing the Reel Hook supporting the Wire Reel or Roll Bar.

Model RH03-	Facing view of the Reel Hooks supporting the Wire Reel on a Roll Bar.
Model CR01-	Shows layout of the Coil Roller and how it sits relative to the stud or Vertical Building Member.
Model CR02-	Shows the Coil Roller locked in place complete with roller wheels to accomodate water line coils.
Model CR03-	Shows opposing Coil Rollers. Top Coil Roller carries the weight and the bottom Roller helps hold the water line in place.
Model SB01-	Shows a side view of the Scaffold Bracket.
Model WB01-	Shows a facing view of the Stud Clip "Work Bench".
Model WB02-	Shows front view, top view, side view, and side view standing.